

Government of India
Ministry of Mines
National Mineral Exploration Trust

F.No.23/296/2023-NMET/317

New Delhi, 03rd February, 2023

Subject: Approval of mineral exploration project and release of 1st Advance for project Reconnaissance survey (G4) for manganese and associated minerals in Katori-Jhiriya block (140.22 sq. km), District: Balaghat, Madhya Pradesh.

On the recommendation of Technical-cum-Cost Committee (TCC) of NMET, the Executive Committee (EC) in its 27th EC meeting held on 10th January, 2023 approved mineral exploration project to be executed by MECL. The details of the block are given below:

S. No.	Project/Block Name	Commodity	Stage	Duration (Months)	Approved Cost (Including GST).
1	Reconnaissance survey (G4) for manganese and associated minerals in Katori-Jhiriya block (140.22 sq. km), District: Balaghat, Madhya Pradesh.	Manganese and associated minerals	G4	14	₹ 1,67,81,229/-

2. The mineral exploration project will be funded by NMET as per the cost recommended by the TCC and approved by the EC. The Implementing Agency shall complete the same as per the approved cost estimates and time schedule, enclosed in **Annexure**.

3. The Implementing Agency shall submit progress on monthly basis to NMET Secretariat. The TCC, NMET shall review the progress of project and provide update to the Executive Committee.

4. Sanction is also hereby conveyed for release of the 1st installment of 40% of the estimated project cost i.e. **₹67,12,492/- (₹Sixty Seven Lakh Twelve Thousand Four Hundred and Ninety Two only)** as an advance in terms of conditions stipulated in this office letter no. 42/1/2017-NMET/176 dated 16th December 2021 and letter no. 42/1/2017-NMET/217 dated 19th January 2022 regarding "Release of funds to State Government / NEAs for mineral exploration".

5. The expenditure will be debited to '8000' (Major Head) 00.201.00.00.00- Appropriation from Consolidated Fund under Grant No. 901 "Appropriation from Contingency Fund of India" during the financial year 2022-23. The amount of expenditure shall be recouped from head Grant-in-aid (General) after approval by the Parliament through the Second and Final Batch of Supplementary Demands for Grants 2022-23.

6. Certified that the pattern of assistance, under which the payment has been sanctioned, has the prior approval of Ministry of Finance.

7. MECL is a registered agency on EAT module of PFMS. In terms of **Rule 230, 235, 236 and 238 of GFR**, MECL, Nagpur should maintain subsidiary accounts of the Government Grants and furnish the same to the Principal Accounts Office of the Ministry. The account shall be open to inspection by the Sanctioning Authority and audit, both by the Comptroller and


Auditor General of India and internal audit by the Principal Accounts Office of the Ministry of Mines, whenever the Organization is called upon to do so.

8. The exploration agency has to furnish the utilization certificate in respect of amount disbursed as advance for the project on utilization of disbursed amount or after completion of one year from the date of disbursement of advance, whichever is earlier. The next installment of advance will be released after submission of utilization certificate and progress report in respect of the 1st installment.

9. Shri Arun Kumar Chail, Section Officer in the Ministry will be the Drawing and Disbursing Officer for this purpose. It is requested that the payment of **₹67,12,492/- (₹Sixty Seven Lakh Twelve Thousand Four Hundred and Ninety Two Only)** may kindly be made to the Mineral Exploration and Consultancy Ltd, Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur – 440006 through RTGS in State Bank of India, Industrial Finance Branch, Nagpur (IFSC Code – SBIN0000432, Current Account No. 10374783387]

10. This has concurrence of JS & FA, Mines vide Note# 8 dated 01.02.2023 (E file No. 3067156).

Yours faithfully,


(Vivek Kumar Sharma)
Director & HoD, NMET

Copy for information and further necessary action:

1. The Chairman & Managing Director, Mineral Exploration and Consultancy Ltd. (MECL), Dr. Babasaheb Ambedkar Bhawan, Seminary Hills, Nagpur – 440006.
2. Shri Janardan Prasad, Additional Director General and Chairman, TCC-NMET, Southern Region, GSI Complex, Bandlaguda, Hyderabad- 500068.
3. I.F. Division, Ministry of Mines, Shastri Bhawan, New Delhi.
4. Executive Committee (EC) Meeting file (F.No.6/2/2015-NMET)
5. Grant-in aid Sanction order file.

Annexure-8A

Annexure-8A


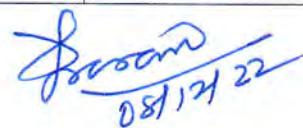
Estimated cost for Reconnaissance survey (G4) for manganese and associated minerals in Katori-Jhiriya block (140.22 sq. km), District: Balaghat, Madhya Pradesh.

Item of Work	Unit	Rates as per NMET G-2/2003
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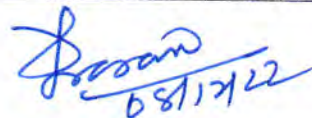
S. No.	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item-SI No.	Rates as per SoC	Qty.	Amount (Rs)	
A	GEOLOGICAL WORK (1:12,500 scale)						
i	Charges for one Geologist- Field	day	1.2	11,000	180	19,80,000	
ii	Charges for one Geologist per-HQ	day	1.2	9,000	60	5,40,000	
iii	2 labours/ party (Rs 443/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	443	360	1,59,480	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
iv	Core Sampling -1 Samplers Labour charge not included	day	1.5.2	5,100	45	2,29,500	
v	4 labours/ party (Rs 443/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	443	180	79,740	Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
				Sub Total- A		29,88,720	
B	GEOPHYSICAL SURVEY						
i	Magnetic Survey (8-20 L Km)	Line Km	3.2a	1,800	450	8,10,000	25mx200m grid interval
ii	Charges for one Geophysicist per day at field	day	3.18	11,000	30	3,30,000	
iii	Charges for one Geophysicist per day at HQ	day	3.18	9,000	15	1,35,000	
iv	Surveyor Work	days	1.6.1a	8,300	30	2,49,000	
v	4 labours/ party (Rs 443/day/labour) (As per rates of Central Labour Commissioner)	day	5.7	443	120	53,160	
				Sub Total- B		15,77,160	
C	PITTING AND TRENCHING						
i	Trenching (1m x 2mx 100 m)	Cu m	2.1.1	3330	100	3,33,000	
				Sub Total- C		3,33,000	

08/12/22

D	DRILLING						
i	Drilling upto 300m (Hard Rock) (1 rigs)	m	2.2.1.4a	11,500	500	57,50,000	
ii	Borehole deviation Survey	m	2.2.6	330	-	-	deviation survey will be carried out at 5m interval
iii	Land / Crop Compensation	per BH	5.6	20,000	8	1,60,000	Amount will be reimbursed as per actuals or max. Rs. 20000 per BH with certification from local authorities
iv	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	8	16,000	
v	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	320	11,520	Certification in this regard is required to be provided
vi	Monthly Accommodation Charges for drilling Camp (up to 2 Rigs)	month	2.2.9	50,000	3	1,50,000	
vii	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
viii	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	
ix	Approach Road Making (Flat Terrain)	Km	2.2.10a	22,020	4	88,080	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed for max. 4 km.
x	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and by DGPS	Nos	1.6.2	19,200	9	1,72,800	*8 Boreholes and 1 base station
xi	One complete borehole plus mineralised core of all the remaining Bhs	m	5.3	1,590	150	2,38,500	This amount will be reimbursed after successful delivery of the cores to concerned libraries/authorities
Sub Total- D						70,86,900	
E	LABORATORY STUDIES						
1	Chemical Analysis						
i	Primary & Check samples for Manganese (BRS/Trench)						
	a. Primary Samples for 6 radicals (Mn, SiO ₂ , P ₂ O ₅ , Fe ₂ O ₃ , MnO ₂ and Insolubles)	Nos	4.1.7a + 7b	2,841	325	9,23,325	225 nos. sample BRS/Trench/channel & 100 nos. Core samples

	b-Internal (5%) Check samples for 6 radical (Mn, SiO ₂ , P ₂ O ₅ , Fe ₂ O ₃ , MnO ₂ and Insolubles)	Nos	4.1.7a + 7b	2,841	16	45,456	
	c-External (10%) Check samples from NABL Lab for 6 radicals (Mn, SiO ₂ , P ₂ O ₅ , Fe ₂ O ₃ , MnO ₂ and Insolubles)	Nos	4.1.7a + 7b	2,841	33	93,753	
ii	Composite samples for Manganese						
	a. Composite Samples for 6 radicals (Mn, SiO ₂ , P ₂ O ₅ , Fe ₂ O ₃ , MnO ₂ and Insolubles)	Nos	4.1.7a + 7b	2,841	10	28,410	
2	Physical & Petrological Studies						
i	Preparation of thin section	Nos	4.3.1	2,353	10	23,530	
ii	Complete petrographic study report	Nos	4.3.4	4,232	10	42,320	
iii	Preparation of polished section	Nos	4.3.2	1,549	10	15,490	
iv	Complete mineragraphic study report	Nos	4.3.4	4,232	10	42,320	
v	Digital Photographs	Nos	4.3.7	280	20	5,600	
vi	Whole Rock Analysis (Major oxide and 8 additional trace elements)	Nos	4.1.15a & b	7,568	10	75,680	
Sub Total- E						12,95,884	
F	Total A to E						1,32,81,664
G	Geological Report Preparation		5.2	For the projects having cost exceeding Rs. 50 lakhs and less than Rs. 150 lakhs- A minimum of Rs. 2.5 lakhs or 5% of the value of work whichever is more		6,64,083	EA has to submit the final Geological Report in Hard Copies (5 Nos) and the soft copy to NMET.
H	Peer review Charges		As per EC decision			10,000	
I	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is lower		2,65,633	EA has to submit the Hard Copies and the soft copy of the final proposal along with Maps and Plan as suggested by the TCC-NMET in its meeting while clearing the proposal.

K	Total Estimated Cost without GST	1,42,21,380	
J	Provision for GST (18% of I)	25,59,848.49	GST will be reimbursed as per actual and as per notified prescribed rate
K	Total Estimated Cost with GST	1,67,81,228.97	or say Rs. 167.82 Lakh
Note:			
1	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certificate regarding non outsourcing of any component/project is required.		

Annexure-8B

Scheduled time for Reconnaissance survey (G4) for manganese and associated minerals in Katori-Jhiriya block (140.22 sq. km), District: Balaghat, Madhya Pradesh.

S. No.	Months/Days	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Camp Setting	months													
2	Geological Mapping	months													
3	Survey days	days													
2	Geophysical Work	months													
5	Trenching	cu. m													
6	Drilling (1 rig)	m													
7	Geologist days	days													
8	Sampling days, Core Sampling	days													
9	Camp winding	months													
10	Laboratory Studies	months													
11	Geologist days, HQ	days													
12	Report Writing with Peer Review	months													

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